

**ABSTRACT**

The present invention relates to a motor vehicle electrical system, comprising a generator, a battery, a starter and a high-capacity capacitor for storing electric energy for the starting process of a motor vehicle engine. The electrical system further comprises a voltage transformer and an interrupter which are connected in parallel between the capacitor and the battery and are  
5 controlled for preparing a starting process of the motor vehicle engine in such a way that the voltage transformer transforms the voltage of the battery into a larger voltage and the interrupter interrupts the electrical connection between the battery and the capacitor.